

## Technical Data Sheet

### Moplen EP649N



Polypropylene, Impact Copolymer

#### Product Description

Moplen EP649N is a polypropylene impact copolymer manufactured with high gloss, good stiffness and impact balance, and excellent antistatic properties. Typical customer applications are injection molding of electrical appliance parts, toys and housewares.

#### Regulatory Status

For regulatory compliance information, see Moplen EP649N [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

<b>Status</b>	Commercial: Active
<b>Availability</b>	Africa-Middle East; Asia-Pacific; Australia and New Zealand
<b>Application</b>	Dishwashing Appliances; Housewares; Opaque Containers; Small Appliances; Sports, Leisure & Toys; Washing Appliances
<b>Market</b>	Consumer Products; Electrical / Electronics
<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Contains Antistat; High Gloss; High Stiffness; Impact Copolymer; Scratch Resistant

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	10	g/10 min	ASTM D1238
Density	0.90	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Flexural Modulus	1850	MPa	ASTM D790
Tensile Strength at Yield	32	MPa	ASTM D638
Tensile Elongation at Yield	7	%	ASTM D638
<b>Impact</b>			
Notched Izod Impact Strength			
(23 °C)	100	J/m	ASTM D256
(-20 °C)	40	J/m	ASTM D256
<b>Thermal</b>			
Vicat Softening Point	150	°C	ASTM D1525
Deflection Temperature Under Load, (0.46 N/mm <sup>2</sup> )	130	°C	ASTM D648

#### Notes

These are typical property values not to be construed as specification limits.